RadioLINK Accessory

MAINS POWERED 230V~

- Carbon Monoxide (CO) Alarm Module
- Repeater Module

Model Ei420

- **Stand-alone unit designed for use with RadioLINK bases & accessories**
- **Multiple Repeater RF signaling**
- **Hard-wired input for Ei mains powered alarms (e.g. Ei260 Series CO alarms)**
- **Cover to allow remote siting**
- **Unique House-Coding**
- **Visual RF transmission and power indicators**
- **Mains powered with built-in rechargeable Lithium back-up**
- **RF performance to EN 300220-3**
- **EMC performance to EN 301489-3**
- **5 year guarantee**

Product Description

The Ei420 is a RadioLINK alarm interface module that is designed to be hard-wired to an Ei260 Series CO alarm to allow it to be integrated into a RadioLINK system. It also has the ability to be used as a standalone RadioLINK repeater module. It is designed to be remotely sited and comes complete with its own cover.

It runs on 230V AC mains power and has built in tamper-proof rechargeable Lithium cells that act as a battery back-up in the event of mains failure. These rechargeable Lithium cells are designed to have a minimum ten-year life and outlast the life of the module itself.

The Ei420 can be used to interface a hard-wired Ei260 Series CO alarm with a RadioLINK system. The Ei420 has inputs for interconnect wiring and will send out a RadioLINK signal if it receives a hard-wired signal input. Additionally, if the Ei420 receives a RadioLINK signal it will output a hard-wired signal on the interconnect line. This function is designed for use with 'RC' Series alarms.

The Ei420 can also be used as a stand-alone RadioLINK repeater module in installations that require additional signal coverage but where the installation of an additional alarm may not be suitable.

The Ei420 uses advanced transceiver and signal coding

Operation

- On receiving a hard-wired signal, the unit will transmit an equivalent RadioLINK signal.
- On receiving a RadioLINK signal, the unit will send out an equivalent hard-wired signal on the interconnect line.
- Received RadioLINK signals will be re-transmitted - increasing the possible number of barriers penetrated by the signal and contributing to multiple signal paths throughout the system.
- The unit can be House-Coded by activating the House-Code switch. The indicator will flash red to indicate the number of units 'learned'.
- The indicator will illuminate green to show that mains power is present (this is overridden by any red flashes).
- If the rechargeable back-up is depleted, the indicator will flash red every 10 seconds.

Ei Electronics®

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E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice.

Model Ei420

Technical Specification

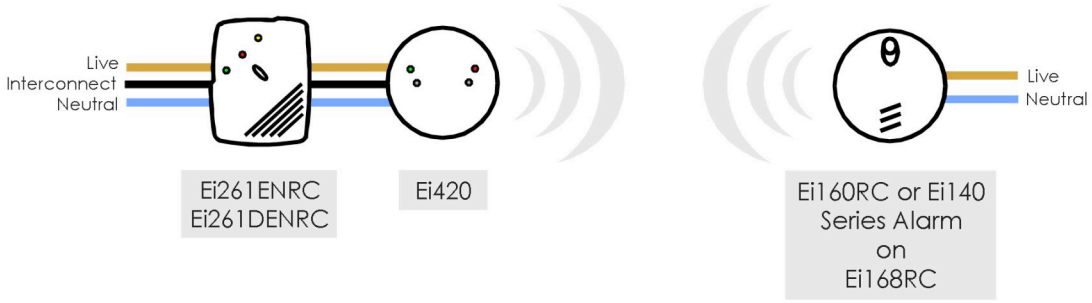
Supply Voltage:	230V AC, 50Hz
Battery Back-up:	Rechargeable Lithium cells
Interconnect:	RadioLINK - Up to 12 RadioLINK units Hard-wired - Up to 12 Ei261ENRC/ Ei261DENRC alarms
RF Signal Range[1]:	150 metres in free space
RF Frequency:	868MHz band (1% duty cycle)
RF Power:	+5dBm
Power Indicator:	Green (constant) – power on Red (flashing) – low battery
Temperature Range:	0ºC to 40ºC
Humidity Range:	0% to 95% R.H.
Dimensions:	140mm x 26mm
Weight:	180g
Guarantee:	5 year (limited)
Approvals:	RF performance to EN300220-3 EMC performance to EMC 301489-3 CE certified

1. **Any obstructions of any sort will result in a reduction in range from the free space specification. As such, the actual range will vary depending on installation.**

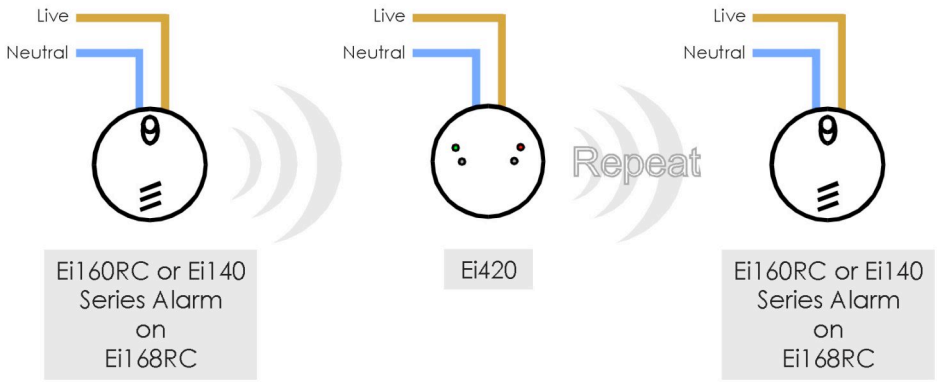
Specifications are subject to change

System Wiring

Carbon Monoxide (CO) Alarm Interface



Repeater Module



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